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ABSTRACT

This booklet provides guidelines for safety in the chemical laboratory. Part I, "Guides for Instructors and Administrators," includes safety rules, safety practices and facilities, preparation for emergencies, safety committees, accident reporting, fire insurance, and listings of some hazardous chemicals. Part II, "Student Guide to Safety," discusses general laboratory practices, safety training, emergency action, handling chemicals, assembling apparatus, chemical spills, hazardous chemicals, laboratory cleanup, safety equipment, fire and explosions, and electrical and radiation hazards. Appendices include a bibliography, a comparison chart of eye protection devices, a list of incompatible chemicals, a chart of respiratory hazards of typical gases and recommended cylinder sizes, a list of hazardous gases and their properties, a directory for the Occupational Safety and Health Administration (OSHA) and Department of Health and Human Services regional offices, a laboratory instruction report form, and a chart of container size limitations for flammable and combustible liquids. (YP)

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